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 CENTRAL INTELLIGENCE AGENCY  
 INFORMATION FROM  
 FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

COUNTRY USSR

DATE OF  
INFORMATION 1953SUBJECT Economic; Technological - Machine tools and  
woodworking machines

DATE DIST. 6 May 1954

HOW  
PUBLISHED Daily newspapers

NO. OF PAGES 3

WHERE  
PUBLISHED USSRDATE  
PUBLISHED 12 Sep - 20 Nov 1953SUPPLEMENT TO  
REPORT NO.

LANGUAGE Russian

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NEW SOVIET MACHINE TOOLS

SHIP MODEL 1285-B LATHES TO MOTOR VEHICLE PLANT -- Minsk, Sovetskaya  
 Belorussiya, 2 Oct 53

The Moscow Krasnyy Proletary Machine Tool Building Plant has manufactured  
 the first experimental group of Model 1285-B eight-spindle vertical semiautoma-  
 tic lathes. These high-production machine tools are intended for simultaneous  
 machining of eight large-size parts, each up to 500 millimeters in diameter.

The first Model 1285-B Machine tools have been shipped to the Moscow Motor  
 Vehicle Plant imeni Stalin.

APPROVE NEW UNIT-TYPE MACHINE TOOLS -- Stalinabad, Kommunist Tadzhikistana,  
 11 Nov 53

A state commission has approved a new-model heavy semiautomatic designed  
 by specialists at the Kiev Machine Tool Building Plant imeni Gor'kiy under the  
 direction of A. I. Tereshchenko, engineer.

The unit-type machine tool is intended for machining various parts up to  
 250 millimeters in diameter. It is equipped with special clamping devices and  
 attachments for automatic chip removal. The new machine tool has been designed  
 for the application of high-speed metal cutting. Preparations are now being  
 made for producing the first group of the new semiautomatics.

At the same time, the enterprise has begun series production of heavy sin-  
 gle-spindle automatics for bearing enterprises. Each one of these unit-type  
 machine tools will replace three or four lathes.

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CONFIDENTIAL**NEW HEAVY MACHINE TOOLS -- Minsk, Sovetskaya Belorussiya, 6 Nov 53**

Besides series producing machine tools, the Minsk Machine Tool Building Plant imeni Voroshilov is also doing a great deal of work in perfecting new types of machine tools.

A planing machine has been put into series production. Regular production of this heavy machine tool for machining the edges of steel sheet has been set up. The weight of this edge-planing machine was reduced to 28 tons from the originally planned weight of 50 tons.

The plant has also perfected and produced a heavy jig indexing (koordinatno-razdelochnyy) machine and two types of machine tools for counterboring pipes of intricate profile. The plant is now assembling the first powerful slotting machines designed by plant engineers. The design division is completing work on blueprints for a huge edge-planing machine for the metallurgical industry. The pattern shop has already started making patterns for this giant 200-ton machine tool.

**BUILD NEW BORING MACHINES -- Moscow, Pravda, 8 Oct 53**

Two new models of large machine tools for boring holes in the housing of electric locomotive traction motors have been successfully tested at the Leningrad Machine Tool Building Plant imeni Sverdlov. The machine tools were designed and manufactured at the plant in only 4 months. Each machine tool is more than 10 meters long. The machine tools are equipped with convenient push-button control. Their modern design makes it possible to machine parts under high-speed conditions.

Among machine tools perfected at the plant in 1953 are heavy boring machines whose design provides for a decrease of approximately 10 percent in the consumption of metal as compared with earlier models, a heavy-type semiautomatic tracer milling machine, and semiautomatic machine tools for grinding and boring rolls for pipe-rolling mills.

The manufacture of a special boring machine for machining large machine frames has been started. This machine tool is the fourteenth new-type machine tool perfected at the plant in 1953.

**Vil'nyus, Sovetskaya Litva, 6 Nov 53**

Leningrad machine tool builders perfected more than 30 new types of machine tools in October. The Leningrad Machine Tool Building Plant imeni Sverdlov produced a new Model LR-74 boring machine. It is 15 meters long and can operate at high cutting speeds.

**GOR'KIY PLANT BUILDS 330-TON MILLING MACHINE -- Moscow, Izvestiya, 20 Nov 53**

Personnel at the Gor'kiy Milling Machine Plant have pledged to release by 15 December an experimental, unique milling machine weighing 330 tons with a table 3.6 by 12-meters in size.

The new machine tool is now being assembled.

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MACHINE TOOL PRODUCTION -- Moscow, Moskovskiy Komsomolets, 19 Nov 53

The Kolonna Heavy Machine Tool Building Plant will build seven 3-meter vertical boring and turning mills instead of five according to the plan, and five 1.5-meter gear hobbing machines instead of three according to plan.

Minsk, Sovetskaya Belorussiya, 15 Nov 53

The Vitebsk Tool Grinding Machine Plant has mastered the production of a new type of semiautomatic intended for grinding large-diameter circular saws.

The Vitebsk Machine Tool Building Plant imeni Kirov is mastering production of new machine tools for ball-bearing plants.

MULTISPINDLE WOOD DRILLING MACHINE -- Leningradskaya Pravda, 12 Sep 53

A vertical multispindle drilling machine was developed by K. A. Zlobin at the Leningrad Woodworking Combine No 6 of the Mosmebel' (Moscow Furniture) Trust. The machine is equipped with 18 drills and with automatic clamping devices. The machine has increased labor productivity 5-8 fold. In 2 hours, one worker now does the work formerly performed by two men [in 8 hours] working on two single-spindle drilling machines.

MACHINES FOR FURNITURE BUILDING -- Riga, Sovetskaya Latvija, 3 Oct 53

The Leningrad Machinery Plant of the Ministry of Petroleum Industry USSR builds machines for woodworking enterprises. Among products it has built recently is a powerful mechanical press for veneering furniture.

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